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BULLETIN
OF THE
TORREY BOTANICAL CLUB.

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[No. 10.]

An Enumeration of the Plants Collected by Dr. H. H. Rusby in
South America, 1885-1886.—VIII.

(Continued from p. 192.)

- Lupinus humifusus*, Benth. Pl. Hartw. 169. Sorata, 13,000 ft. (955); the same as Mandon No. 687.
- Lupinus Bogotensis*, Benth. l. c. 168. Near La Paz, 10,000 ft. (954); the same as Holton's No. 946 from New Grenada.
- Spartium junceum*, L. Sp. Pl. 995. Near La Paz, 10,000 ft. (1016); abundantly escaped from cultivation.
- Medicago denticulata*, Willd. Sp. Pl. iii. 1414. Near La Paz, 10,000 ft. (1018); a weed.
- Medicago lupulina*, L. l. c. 1097. Near La Paz, 10,000 ft. (1019 and 1968); abundantly introduced.
- Melilotus Indica* (L.), All. Flor. Ped. i. 308. Near La Paz, 10,000 ft. (1017).
- Trifolium amabile*, HBK. l. c. vi. 503. Near La Paz, 10,000 ft. (1012, 1013, 1014 and 1015).
- Psoralea Mutisii*, HBK. l. c. 487. Near La Paz, 10,000 ft. (957); a form with calyx lobes nearly triangular.
- Psoralea*, perhaps a broad-leaved form of the last, but indeterminate. Sorata, 8,000 ft. (958).
- Psoralea glandulosa*, L. Sp. Pl. 1075. Valparaiso (956).
- Indigofera lespedezoides*, HBK. l. c. 457. Reis, 1,500 ft. (1439).
- DALEA BOLIVIANA, spec. nova. Suffruticosa, prostrata, ramosissima, foliolis 13-17, cuneato-oblongis, truncatis vel emarginatis, punctatis, glabris, 3-5 mm. longis; ramulis et rachis pubescentibus; spicis oblongis, 2-3 cm. longis; bracteis obovatis, longe acuminatis, pubescentibus; calycis villosis, dentibus tubo multo brevioribus; corolla 8-10 mm. longa, purpurea. Near La Paz, 10,000 ft. (959).
- Related to *D. humifusa*, Benth. Pl. Hartw. 170; collected

also by R. Pearce at La Paz, 12,000 ft. April, 1864, and by Mandon (No. 702).

Barbiera polyphylla, DC. Mem. Leg. 242. Guanai, 2,000 ft. (2356).

Tephrosia leptostachya, DC. Prodr. ii. 251. Unduavi, 8,000 ft. (1343).

Tephrosia toxicaria, Pers. Syn. ii. 329. Mapiri, 5,000 ft. (985). Bolivian name "sacha."

Cracca ochroleuca (Pers.), Benth. in Oerst. Leg. Cent. Amer. 9. Yungas, 6,000 ft. (2355).

COURSETIA BOLIVIANA, spec. nova. Frutex scandens; foliolis 15-19, oblongis, 3-4 cm. longis, 1-5 cm. latis, obtusis, mucronatis, utrinque minutissime pubescentibus, breviter petiolatis; racemis axillaribus, elongatis, 10-20 floris, 9-18 cm. longis; floribus pedicellatis, 8 mm. latis; petalis exteriore pubescentibus, calycibus 5-dentatis, bibracteolatis; bracteolis linearibus. Folia 15-20 cm. longa. Sorata, 8,000 ft. (1043 and 1344).

Astragalus uniflorus, DC. Mem. Astrag. t. 50. Sorata, 13,000 ft. (1925). The same as Mandon's No. 713.

ASTRAGALUS CAPITELLUS, spec. nova. Herbaceus vel basi lignescens, 20-25 cm. altus; foliolis 16-19, oblongo-linearibus, 1 cm. longis, 2-3 mm. latis, supra glabris, subter albobescentibus; folia 5-9 cm. longa, foliola distantia; stipulis triangularibus, scariosis; pedunculis axillaribus, ad maturitatem 1 cm. longis, parce pilosis; capitellis paucifloris, flores minores; calycibus 2 mm. longis, laciniis subulatis; leguminibus 12 mm. longis, oblongis, apiculatis, puberulis, sulcatis, 10-spermis. Capitellis sub 6-floris. Near La Paz, 10,000 ft. (1005). Apparently the same as Mandon's No. 714, Herb. Kew.

Chætocalyx Brasiliensis (Vogel), Benth. in Mart. Fl. Bras. xv. Pars 1. 75. Guanai, 2,000 ft. (2398).

Amicia Lobbianae, Benth. in Herb. Kew. Sorata, 10,000 ft. (1333). The same as Mandon No. 765.

Æschynomene sensitiva, Sw. Fl. Ind. Occ. iii. 1276. Falls of the Madeira, Brazil. (1037).

Æschynomene Hystrix, Poir. Dict. Suppl. iv. 77. Same locality. (1038).

Æschynomene falcata, DC. Prodr. ii. 322. Guanai, 2,000 ft. (1035).

Æschynomene Brasiliana, DC. l. c. Sorata, 10,000 ft. (1036).
Adesmia microphylla, Hook. & Arn. Bot. Beech. 19. Near
 Valparaiso, Chili, (2512 and 1040), the latter number dis-
 tributed as from near La Paz, which is almost certainly due
 to a confusion of labels.

Adesmia Miraflorensis, Remy. Ann. Sci. Nat. (III.), vi. 357, ex
 descriptio. Near La Paz, 10,000 ft. (1039 and 1041).

Stylosanthes Guianensis (Aubl.), Sw. Act. Holm. 1789, 296.
 Near La Paz, 10,000 ft. (1008); Guanai, 2,000 ft. (2324).

Zornia diphylla (L.), Pers. Syn. ii. 318. Guanai, 2,000 ft. (1156).
 var. *latifolia* (DC.), Benth. in Mart. Fl. Bras. xv. Pars. 1. 81.
 Unduavi, 8,000 ft. (1971). Specimens with exceedingly
 large bracts; referred to this variety with much hesitation.

Desmodium cajanifolium (HBK.), DC. Prodr. ii. 331. Guanai,
 2,000 ft. (966); Mapiri, 5,000 ft. (967 and 968); Reis,
 1,500 ft. (969). Also a form or variety with very large
 flowers, Yungas, 6,000 ft. (965).

Desmodium axillare (Sw.), DC. l. c. 333. Falls of Madeira, Bra-
 zil, (960); Mapiri, 5,000 ft. (963).

Desmodium albiflorum, Salzm. in Benth. l. c. 99. Yungas,
 6,000 ft. (975).

Desmodium molliculum (HBK.), DC. l. c. 331. Sorata, 10,000
 ft. (973).

DESMODIUM MANDONI, spec. nova. Caulibus ascendentibus,
 frutescentibus, pilosis; foliolis ovatis vel oblongis, obtusis,
 apiculatis, breviter petiolatis, supra glabratis, subter pilosis,
 4-5 cm. longis; racemis terminalibus elongatis (15 cm. lon-
 gis); flores purpurei, magni, (12 mm. lati), gracile pedicel-
 lati; bracteis acuminatis, glabris; calycis lobi acuminati;
 leguminibus 4-articulatis, articulis oblongis, breviter pilosis.

Sorata, 10,000 ft. (970), Yungas, 6,000 ft. (964 as to the flow-
 ering specimens; the fruit distributed with this number belongs
 to some other species, perhaps *D. tortuosum*). The same as
 Mandon's Nos. 733 and 738.

Desmodium, a species resembling the last and apparently the
 same as Mandon's 732 and 735, but only in flower (976).

Desmodium adscendens (Sw.), DC. l. c. 332. Mapiri, 5,000 ft.
 (977).

DESMODIUM YUNGASENSE, spec. nova. Caulibus repentibus

vel ascendentibus; ramulis pilosis; foliolis ovatis vel lanceolatis, tenuis, obtusis, mucronulatis, breviter petiolatis, supra glabratiss, subter albo-pilosis; racemis terminalibus axillari-busque, elongatis; flores caerulei ?, parvi, (7 mm. lati); gracile pedicellati; bracteis et calycibus valde pilosis; legumini-bus 5-articulatis, articulis oblongis, dense et breviter tomen-tosis. Yungas, 4,000 ft. (974).

Evidently related to *D. Mandonii*, but with smaller flowers, thinner and smaller leaves and pilose bracts and calyx.

Desmodium. A species apparently related to *D. axillare*. Falls of the Madeira, Brazil (961); junction of the Beni and Madre de Dios (962).

Desmodium sclerophyllum, Benth. in Mart. Fl. Bras. xv. Pars. 1., 102. Reis, 1,500 ft. (2349).

Desmodium barbatum (L.), Benth. l. c. 96. Reis, 1,500 ft. (971).

Vicia sativa, L. var. *angustifolia* (Roth), Ser. Near La Paz, 10,000 ft. (1006). Introduced.

Vicia graminea, Sm. in Rees Cyclop. fide Benth. l. c. Sorata, 10,000 ft. (1007). The same as Mandon, No. 724.

Lathyrus pubescens, Hook. & Arn. Bot. Beech. 21. Sorata, 10,000 ft. (1011).

Faba vulgaris, L. Cultivated in Yungas, 4,000 ft. (1010).

Centrosema Plumieri (Juss.), Benth. l. c. 127. Guanai, 2,000 ft. (2354).

Centrosema pubescens, Benth. l. c. 131. Reis, 1,500 ft. (1345).

Centrosema Virginianum (L.), Benth. l. c. 132. Yungas, 6,000 ft. (1340). The same as Mandon's 744.

Centrosema hastatum, Benth. l. c. Guanai, 2,000 ft. (1049).

Clitoria Poitæi, DC. Prodr. ii. 234. Guanai, 2,000 ft. (2399).

Cologania ovalifolia, HBK. Nov. gen. vi. 412. Sorata, 10,000 ft. (1338).

Teramnus uncinatus, (L.), Sw. Fl. Ind. Occ. iii. 1238. Reis, 1,500 ft. (1346).

CALOPOGONIUM CÆRULEUM (Benth). (*Stenolobium cæruleum*, Benth. Ann. Mus. Vind. ii. 125). Guanai, 2,000 ft. (2629).

Galactia tenuiflora (Willd.), Wight. & Arn. Prodr. i. 206. Guanai, 2,000 ft. (2370).

GALACTIA SPECIOSA (DC). (*Collæa speciosa*, DC., Mem. Leg. 245). Yungas, 6,000 ft. (1341); Unduavi, 8,000 ft. (1342).